

Montana DEQ Forest Fire Smoke Advisory

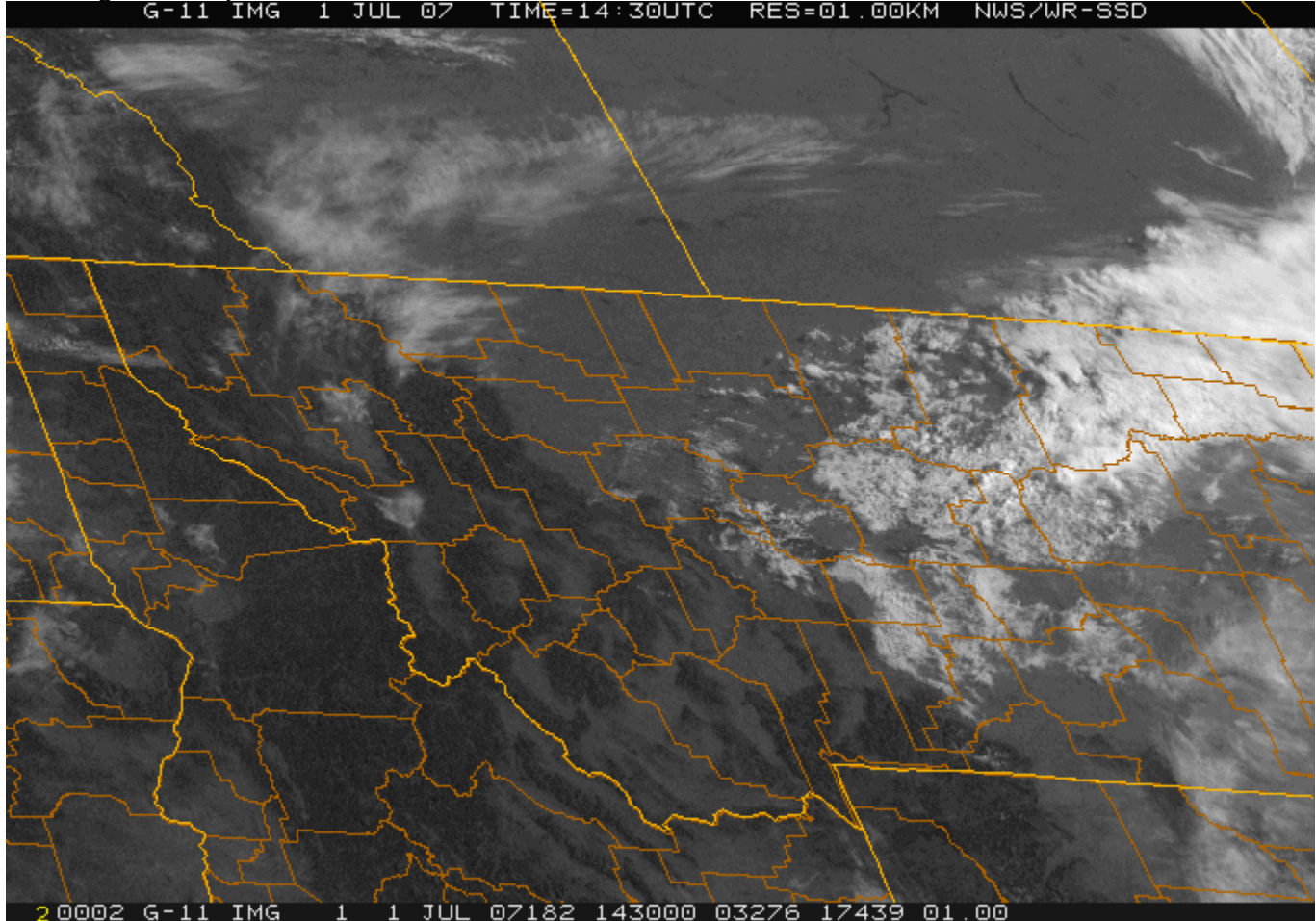
July 1, 2007

9:00 AM

Current Situation

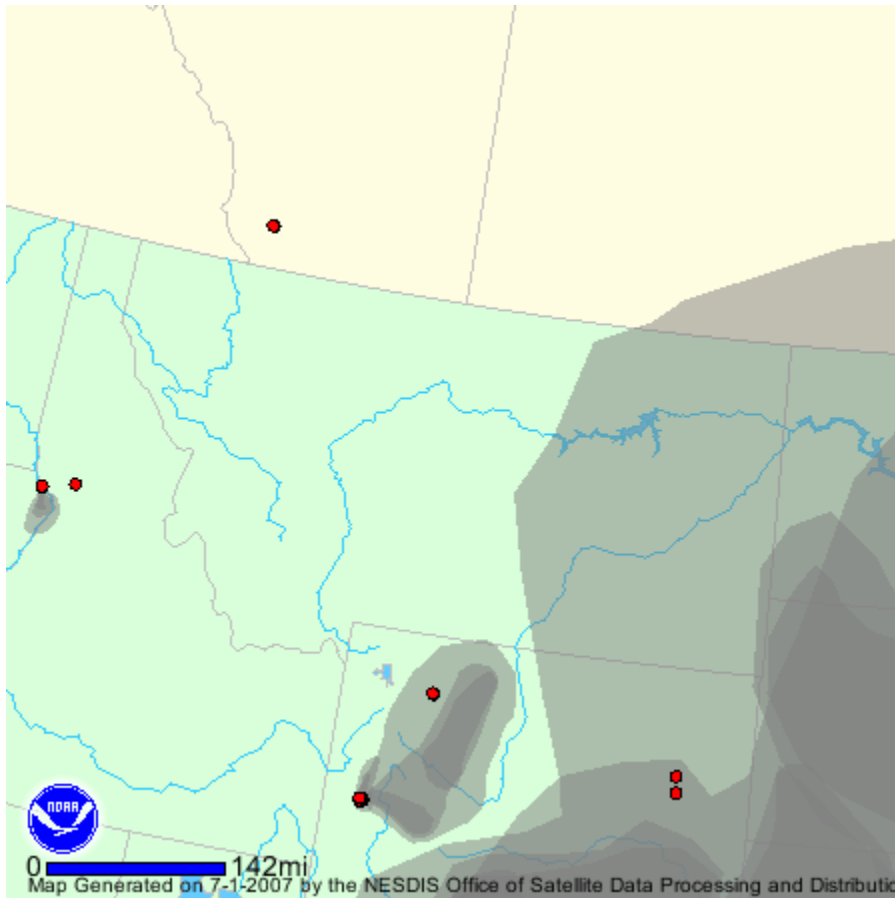
Smoke levels in West Yellowstone are at [GOOD](#) conditions this morning as crews continue to keep the fire contained and smoke production is minimal. The rest of the state looks clear as well. Hot and dry weather and a chance of thunderstorms will continue to produce scattered fire starts but with no large fires, smoke conditions are not expected to be more than a local problem today. See the forecast below for details. Residents in areas with nearby fires should pay attention to current conditions and use the [VISIBILITY GUIDELINES](#) to determine smoke levels in their area and guide their activity decisions.

Morning satellite photo centered on Great Falls:



This morning's analysis from NOAA's satellite services division shows the active fires in Montana and the smoke plumes combining and spreading downwind(the analyzed smoke

is based on yesterday's satellite coverage, the fire detects are based on last night's satellite coverage)



Red indicates hot spot detected. Grey represents smoke seen by satellite. Fire size is exaggerated for visibility at this scale

To identify individual fires on graphic above go here:

http://activefiremaps.fs.fed.us/lg_fire2.php

Real time particulate information is currently available in most of the larger urban areas from several different sources including: DEQ run PM-10 BAMS and PM2.5 BAMS, NWS ASOS visibility monitors, and USFS remote access Nephelometers and BAMS.

This morning's smoke report is below, comparing particulate levels where we have information to MDEQ's Forest Fire health advisory levels.

<http://www.deq.state.mt.us/FireUpdates/SmokeCategories.asp>

Updated 9:00 AM July 1, 2007

Locations and severity of forest fire smoke reports since midnight of the date above at reporting stations.

<u>HAZARDOUS</u>	
<u>VERY UNHEALTHY</u>	
<u>UNHEALTHY</u>	
<u>UNHEALTHY FOR SENSITIVE GROUPS</u>	
<u>MODERATE</u>	

T1(x) One-hour TEOM or BAM value (number of values)
T8(x) Eight-hour average TEOM or BAM value(number of values)
T24 24 hour average TEOM or BAM value
Vis(x) Visibility value(number of hours)
Vis(am/pm) Visibility value from twice/day reporting stations
(est) estimate

Local impacts in areas immediately adjacent to active fires are expected to exceed some or all of the advisory levels. DEQ recommends the use of local visibility guidelines <http://www.deq.state.mt.us/FireUpdates/VisibilityRanges.asp> to evaluate possible health risks and make informed activity decisions.

Forecast

Clear skies are expected today. Southwest winds aloft will continue to produce a few scattered thunderstorms that will likely result in local fire starts due to lightning. There are no big fires upwind of most of Montana and smoke problems are only expected in very localized areas. Residents near active fires need to remain aware of current conditions and use the visibility guidelines: <http://www.deq.state.mt.us/FireUpdates/VisibilityRanges.asp> to guide their activity decisions as the situation changes.

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